

High Performance Energy Management

Reduce energy use and
meet your business objectives

By applying continuous improvement practices similar to Lean and Six Sigma, the BPA Energy Smart Industrial program's High Performance Energy Management (HPEM) component can reduce a facility's energy usage by 5 to 10% with no financial cost to your company.



Consider these additional benefits

Capital investments in cost-effective energy efficiency can realize an additional 5 to 10% savings. Applying continuous improvement practices to energy has other benefits as well, including enhanced productivity, employee satisfaction, safety and environmental impacts.

HPEM helps you deliver a structured, sustainable energy program where you and your staff learn by doing. The program creates a long-term vision for your facility with short-term actions to control and reduce your energy costs.

How does HPEM work?

In cooperation with your utility, HPEM experts facilitate the entire process. They work with you and your staff to:

- Identify and cultivate an energy champion or team leader
- Create an energy team (or add energy to an existing team)
- Establish an energy strategy customized for your plant through development of a policy or mission statement
- Conduct an energy management assessment
- Set energy savings goals (i.e. 5% reduction over 12 months)
- Identify and prioritize activities and projects that reduce energy use with no degradation of your process
- Connect energy efficiency to other business objectives (i.e. safety, quality, etc.)
- Develop performance indicators to monitor and track energy
- Engage your utility, vendors and other relevant third-party resources
- Develop a value stream energy map for your facility.
- Identify current energy use and plan for the future

Structured Network Groups

Structured network groups are composed of approximately 10 non-competitive industrial HPEM program participants sharing best practices and learning together in a group setting. The program includes monthly group meetings, facilitated by HPEM coaches, where participants learn from the experiences of their peers. During these meetings you can share your experiences and will hear from your peers on their experience. The HPEM coach brings proven energy management tools, including energy policy templates and statistical analysis tools, and the training necessary to apply them to your organization. The synergy of this approach produces great results for all participants.

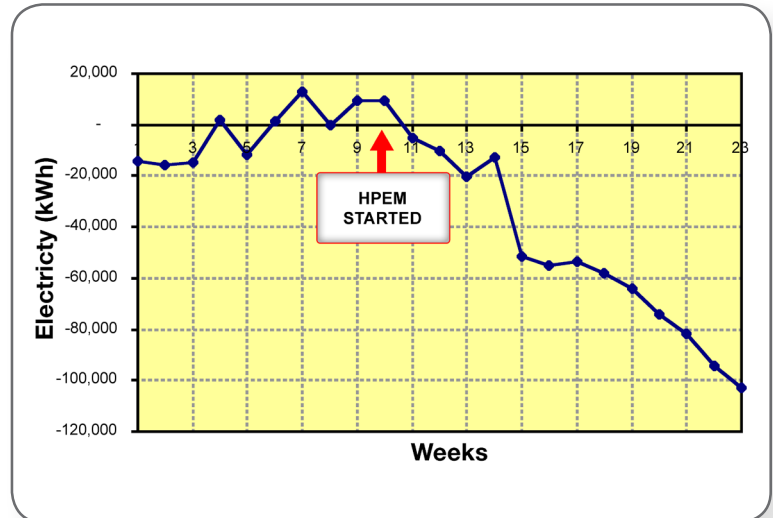
How do I know if HPEM will work for us?

Our industrial energy experts work with dozens of companies throughout the region and bring that experience to your facility. In addition to coaching you and your team through the process, we provide business tools to ensure success for your company.

HPEM is proven in industry by market leaders. These principles and practices have improved safety, quality, productivity and environmental measures in industry for more than 20 years.

How much does it cost to participate?

There is no financial cost to participate. However, you and your team need to invest time and effort working through the process to ensure success. In addition, your company will be screened prior to acceptance in order to ensure a good fit for the program.



Note: Actual industrial facility data showing energy savings

Are there financial incentives available for energy savings?

Yes, the following incentives are available for HPEM participants:

- \$0.025 per kWh of energy savings for each year in years 1 through 5 based on the energy savings goal agreed to by the company and its utility.
- Incentive payments are based upon verified savings over the previous 12 months.
- Additional incentives are available for custom projects and operations and maintenance projects. Contact your utility for more information.
- Some projects may qualify for state or federal tax incentives.

NOTE: Incentives are only paid when: 1) an accurate model of facility energy use can be created, and 2) when energy savings is realized that is not associated with capital projects or changes in production.

Your commitment to participate

To maximize the benefit from HPEM you need to commit to:

- Participation through a minimum 13 month process
- Management support of an energy champion and team with energy savings goals
- Engagement in activities and projects to reduce energy consumption
- Participation of at least two staff members in monthly meetings plus seven all-day workshops and six webinars
- Sharing your learning experience with other participants by giving three presentations during the course of the program
- Tracking and sharing your energy and production (or other key energy-driver data) to measure energy intensity reduction.

All data is kept private and confidential

For more information, please contact your Energy Smart Industrial Partner or your utility

The BPA Energy Smart Industrial program is sponsored by your local public utility and the Bonneville Power Administration.

Learn more at www.EnergySmartIndustrial.com